

Adam Gilewicz

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Thermomechanical method in application to measurement of changes in stress states in substrate-PVD coating systems. Measurement: Journal of the International Measurement Confederation, 2022, 188, 110380.	5.0	2
2	Effect of Atmosphere During Deposition on the Morphology, Mechanical Properties and Microfriction of Zr-Based Coatings. Advanced Structured Materials, 2022, , 271-319.	0.5	0
3	Influence of regeneration process parameters on geometry and defects of clearance surface of planer knives used in wood planing process. Archives of Civil and Mechanical Engineering, 2022, 22, 1.	3.8	0
4	Optimisation of Mechanical Properties of Gradient ZrC Coatings. Materials, 2021, 14, 296.	2.9	4
5	Experimental tests of PVD AlCrN-coated planer knives on planing Scots pine (Pinus sylvestris L.) under industrial conditions. European Journal of Wood and Wood Products, 2021, 79, 645-665.	2.9	8
6	Structure and Properties of ZrON Coatings Synthesized by Cathodic Arc Evaporation. Materials, 2021, 14, 1483.	2.9	14
7	Moving towards sustainable manufacturing by extending the tool life of the pine wood planing process using the AlCrBN coating. Sustainable Materials and Technologies, 2021, 28, e00259.	3.3	3
8	Comparative Investigations of AlCrN Coatings Formed by Cathodic Arc Evaporation under Different Nitrogen Pressure or Arc Current. Materials, 2021, 14, 304.	2.9	12
9	Inter-Relationship between Coating Micro/Nanostructure and the Tribological Performance of ZrC Gradient Coatings. Coatings, 2020, 10, 1121.	2.6	4
10	Structure and Properties of AlCrN Coatings Deposited Using Cathodic Arc Evaporation. Coatings, 2020, 10, 793.	2.6	31
11	Effect of Metallic or Non-Metallic Element Addition on Surface Topography and Mechanical Properties of CrN Coatings. Nanomaterials, 2020, 10, 2361.	4.1	3
12	Effect of Silicon Concentration on the Properties of Al-Cr-Si-N Coatings Deposited Using Cathodic Arc Evaporation. Materials, 2020, 13, 4717.	2.9	9
13	Experimental Study of the Influence of Deposition of Multilayer CrN/CrCN PVD Coating on Austenitic Steel on Resistance to Cavitation Erosion. Coatings, 2020, 10, 487.	2.6	15
14	Evolution of Phase Composition and Antibacterial Activity of ZrC Thin Films. Processes, 2020, 8, 260.	2.8	4
15	Optimisation of mechanical properties of ZrC multilayer coatings. Thin Solid Films, 2020, 704, 138016.	1.8	7
16	The influence of nitrogen on the morphology of ZrN coatings deposited by magnetron sputtering. Applied Surface Science, 2020, 522, 146508.	6.1	47
17	Experimental Studies on Durability of PVD-Based CrCN/CrN-Coated Cutting Blade of Planer Knives Used in the Pine Wood Planing Process. Materials, 2020, 13, 2398.	2.9	16
18	Structural, mechanical and tribological properties of ZrC thin films deposited by magnetron sputtering. Vacuum, 2019, 169, 108909.	3.5	20

#	ARTICLE	IF	CITATIONS
19	Mechanical and anti-wear properties of multi-module Cr/CrN coatings. International Journal of Surface Science and Engineering, 2019, 13, 37.	0.4	5
20	Structure, Morphology, and Mechanical Properties of AlCrN Coatings Deposited by Cathodic Arc Evaporation. Journal of Materials Engineering and Performance, 2019, 28, 1522-1531.	2.5	39
21	Investigations of the thermo-mechanical stability of hybrid layers for tribological applications: Nitrided layer/CrCN coating system. Vacuum, 2018, 148, 276-285.	3.5	3
22	Analysis of the effect of antiwear CrN coating thickness on the evolution of thermomechanical interactions in the substrate/PVD coating system. Journal of Thermal Analysis and Calorimetry, 2016, 125, 1241-1247.	3.6	7
23	Selected mechanical properties of AlCrN coatings deposited using cathodic arc evaporation method. , 2016, , 538-539.	0.1	2
24	Structure of MoCN films deposited by cathodic arc evaporation. Thin Solid Films, 2015, 577, 94-96.	1.8	14
25	Application of dilatometry with modulated temperature for thermomechanical analysis of anti-wear coating/substrate systems. Journal of Thermal Analysis and Calorimetry, 2015, 120, 1609-1615.	3.6	7
26	Deposition and characterisation of Mo2N/CrN multilayer coatings prepared by cathodic arc evaporation. Surface and Coatings Technology, 2015, 279, 126-133.	4.8	49
27	Investigations on the Thermo-Mechanical Properties of CrN/CrCN Gradient Coatings Using a Thermo-Dilatometric Method. Solid State Phenomena, 2014, 223, 100-109.	0.3	2
28	The properties of molybdenum nitride coatings obtained by cathodic arc evaporation. Surface and Coatings Technology, 2013, 236, 149-158.	4.8	50
29	CrCN/CrN+ta-C multilayer coating for applications in wood processing. Tribology International, 2013, 57, 1-7.	5.9	32
30	The Properties of Multilayer CrCN/CrN Coatings Dependent on Their Architecture. Plasma Processes and Polymers, 2011, 8, 333-339.	3.0	22
31	Anti-wear multilayer coatings based on chromium nitride for wood machining tools. Wear, 2010, 270, 32-38.	3.1	39
32	Ti?Si?C sputter deposited thin film coatings. Surface and Coatings Technology, 2004, 180-181, 341-346.	4.8	36
33	Optimization of CrN/CrCN Gradient Coatings. Solid State Phenomena, 0, 237, 41-46.	0.3	0